

Appl. No. 09/934,083
Amendment dated August 26, 2004
Reply to Office Action of May 18, 2004
Attorney Ref. No.: 070441-280651

I. AMENDMENT

IN THE SPECIFICATION

Please delete paragraph [0033] and replace it with the following new paragraph:

[0033] Accordingly, each target may be prepared from a set of cell dishes or tissue samples by isolation of RNA over a course of time. The treatment of those cells may be emulated by adding, for example, serum thereto. ~~Serum, for example, may be added to the cells to ensure a proper growth environment.~~ At predetermined intervals, a small amount of the fluid is removed, and the cells are put in a quiescent state to stop the reaction time. Accordingly, a large set of targets, having a predetermined amount of liquid (e.g., .5 ml each) is produced. The GeneChip^{[[TM]]}[®] fluidics station may then hybridize each target, i.e., extract all the RNA and label the RNA by adding a chemical tag to each molecule, and control the delivery of the resulting liquid to the probe arrays to facilitate the obtaining of expression information regarding the mRNAs. The amount of mRNA is then ascertained based upon the signal strength of the reading given by the probe at the appropriate location corresponding to that sequence or sequence segment.